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(54) Title: METHOD AND SYSTEM FOR PROVIDING TIMING RECOVERY IN AN OPTICAL SYSTEM

(57) Abstract: The invention regards a new threshold crossing timing recovery scheme for use in high capacity optical disc systems. The timing error of a timing error detector is multiplied with a weighing function. This scheme effectively increases the robustness of the optical system against data-induced jitter, which is considered to be the dominant disturbance of the timing recovery as the capacity of the optical discs is high. The invention furthermore describes a number of examples of possible weighing functions.

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